

CHAPTER 18

GASOHOL

A. GENERAL

1. This Chapter:

a. Replaces Defense Energy Policy Program Memorandum (DEPPM) 88-5, "Gasohol Acquisition Handling and Use," October 13, 1988. DEPPM 88-5 is hereby canceled.

b. Provides guidelines for the acquisition of gasohol for use in Department of Defense (DoD) owned- and leased-administrative motor vehicles.

B. POLICY

It is DoD policy that:

1. Gasohol procured by DoD is **interchangeable** and compatible with unleaded gasoline for use in **all DoD**-owned or -leased motor vehicles with spark ignition engines, and other equipment designed to consume gasoline, under **all** climatic conditions in the United States.

2. Whenever any motor vehicle capable of operating on unleaded gasoline that is owned or operated by DoD is **refueled** under the PC&S program or through use of SF-149 or other local purchase authority the following guidelines apply:

a. In carbon monoxide (CO) control areas or ozone nonattainment areas requiring the use of oxygenated or reformulated gasoline, respectively, it shall be refueled with the **oxygenated** or reformulated gasoline that is available in and complies with applicable environmental regulations of that area.

b. In **all** other geographical areas, it shall be refueled with unleaded **gasohol** if available at a price the same as or lower than unleaded gasoline. Depending on local environmental requirements, gasohol may or may not be considered an oxygenated gasoline under the "Clean Air Act," 42 U.S.C. 7401-7671 (CAA). Therefore, exemptions may be granted to the use of gasohol as stated in section E., below, with the exception of those CO control areas requiring the use of oxygenated gasoline where gasohol complies with local environmental requirements as an oxygenated gasoline **and** is the only **oxygenated** gasoline offered for use in

that control area.

3. This policy implements:

a. Section 1-105 of Executive Order 12261 which requires DoD, to the maximum extent feasible and consistent with overall defense needs and vehicle management practices, to make contrast to purchase gasohol for use in motor vehicles the Department owns or operates.

b. Section 10 of Executive Order 12759 which requires DoD and other Federal Agencies to reduce use of motor vehicle gasoline and diesel **fuel** by at least 10 percent by fiscal year (FY) 1995 in comparison with FY 1991. Section 10 of Executive Order 12759 and Federal Property Management Regulation (FPMR) Temporary Regulation G-56 encourage the use of blended gasoline, including gasohol, in achieving this goal.

C. RESPONSIBILITIES

1. The Defense Fuel Supply Center shall:

a. Follow the practice explained in this chapter for Federal civil agencies as well as the DoD components in the procurement of gasohol under Bulk, Posts Camps and Stations (PC&S), and U.S. Government National Credit Card (GNCC) programs.

b. Require reporting activities to include in their submissions of gasoline requirements the extent to which oxygenated or reformulated gasoline requirements apply to their particular activity for that performance period. Further, reporting activities shall be required to advised DFSC of changes in product specification(s) requirements.

c. Assume that operational activities, reporting a requirement for gasoline under the PC&S program, located in:

(1) CO control areas and ozone **nonattainment** areas requiring the use of **oxygenated** or reformulated gasoline, respectively, can store and use these products in compliance with the seasonal environmental regulations of the geographical areas in which the activities are located.

(2) All other areas, can store and use gasohol unless an activity submits an appropriate request for exception to its use. Absent the appropriate exception **request**, described in section D., below, **automatically** solicit a gasoline requirement for such reporting activity as “either unleaded gasoline or unleaded gasohol.” Each exception request shall be reviewed to ensure submissions have cited authorized exemptions, and justifications have been submitted in the proper form and include **all** required information.

d. Maintain an automated system to track responses for exception to the use of gasohol by reporting activities located in those areas included under subparagraph C. 1.c.(2), above.

e. Supply unleaded gasohol in areas **included** under subparagraph C. 1.c.(2), above, against a gasoline **requirement when gasohol is available at the same price** as or a lower price than gasoline. The standard stock **fund** price for gasohol will be determined in accordance with DoD 7420.13.

f. Inform potential suppliers, in marketing areas located in areas included in subparagraph C. 1.c.(2), above, and where the commercial fuel distribution system is adequate to promote competition, of the Federal Government’s gasohol requirements. For example, in addition to inclusion of regular notices of solicitation in the Commerce Business Daily, request national and regional fuel marketing associations to include a notice of the Government’s gasoline requirements, for which gasohol will be an **acceptable** substitute, in membership newsletters.

g. Ensure that **DFSCH** 4280.1 reflects the policy **stated** in paragraph C.2.b.

2. The DoD Components shall:

a. Ensure that reporting activities submit gasoline requirements as required by **DFSC**. Due to the nature of the PC&S program, activities should be prepared to receive no more than a 30- to 60-day notice before commencement of the scheduled fuel delivery period. The final award may change or be delayed for various legal or contractual reasons at any time prior to the beginning of the delivery period. **All** reporting activities, therefore, must be **aware** of these possibilities and be prepared to respond accordingly, i.e., by having fuel handling facilities ready to accommodate the delivery of **oxygenated** or **reformulated** gasoline or gasohol in lieu of conventional gasoline.

b. Ensure that requests, if any, for exception to the use of gasohol under the PC&S program are made in writing, on a line item basis, by reporting activities at the time their gasoline requirements are submitted to **DFSC**. For approval, requests for exception to the use of gasohol must be in accordance with the exception criteria in section D., below.

c. Instruct activities that when making **local** purchases, in accordance with volume II, chapter 2, paragraph **B.3.**, of this manual, gasoline requirements shall be **satisfied** by purchasing:

(1) Oxygenated or reformulated gasoline for use in CO control areas or ozone **nonattainment** areas requiring the use of oxygenated or reformulated gasoline, respectively, complying with applicable environmental **regulations** of those areas;

(2) Gasohol in CO control areas when gasohol meets the oxygenated gasoline requirements referred to in **subparagraph C.2.c.(1)**, above, if available at a price the same as or lower than oxygenated **gasoline**; and

(3) Gasohol in all other areas if available at a price the **same** as or lower than unleaded gasoline.

d. Ensure that exceptions employed by activities to the local purchase of gasohol are in accordance with the exception criteria in section D., below.

e. In accordance with section 1-102 of Executive Order 12261, when **supplies** of gasohol are not available, have the option to authorize activities to purchase a minimum of 197-proof anhydrous ethyl alcohol, conforming to ASTM Specification D4806, for on-site blending of alcohol. Blending of gasohol by activities should be authorized only **if**:

(1) The combined costs are comparable to **unleaded** gasoline costs;

(2) Appropriate blending and storage facilities are available;

(3) The necessary safety hazards involved with the **blending** of **fuels** are considered, such as those identified in Chapter 5 of **MIL-HDBK-114**; and

(4) The necessary quality surveillance measures are taken, such as those **identified** in Chapter 3 of **MIL-HDBK-200**.

f. Instruct civilian employees and Service members that whenever any **DoD-owned** or leased administrative motor vehicle is refueled using SF-149, it shall be refueled with:

(1) **Oxygenated** or reformulated gasoline in CO control areas or ozone **nonattainment** areas requiring the use of oxygenated or reformulated gasoline, respectively, complying with applicable environmental regulations of those **areas**;

(2) Gasohol in CO control areas when gasohol meets the oxygenated gasoline requirements referred to in subparagraph **C.2.f.(1)**, above, if available at a price the same as or lower than oxygenated gasoline; and

(3) Gasohol in **all** other areas if available along the normal travel route of the vehicle at a price the same as or lower than unleaded gasoline.

g. Consult with the U.S. Army Belvoir Research, Development and Engineering Center, Fort Belvoir, Virginia (**ATTN: SATBE-FL**) (**BRDEC**), on all **technical** matters concerning the handling, use and standardization of ground fuels, including blended gasoline.

3. The U.S. Army Belvoir Research, Development and Engineering Center (BRDEC) shall:

a. **Serve** as the lead DoD activity on all technical matters concerning ground fuels, included blended gasoline.

D. EXCEPTION CRITERIA FOR USE OF GASOHOL

1. Under the PC&S program:

a. A request for exception to the use of gasohol must be submitted by a reporting activity in writing, on a line item basis, when the activity's unleaded gasoline requirements are reported to **DFSC**. Blanket waivers e.g., memoranda describing problems generally associated with the handling or use of gasohol, whether issued by reporting activities, major commands or headquarters organizations, will not be accepted.

b. A request for exception to the use of gasohol, not based on the exemptions in subsection D.3., below, shall be considered by **DFSC**, consulting with **BRDEC**, as needed. Such request shall be approved only if the reporting activity has demonstrated conclusively and certified that acceptance of gasohol for the individual

line item requirement would cause:

(1) An adverse mission **impact**; or

(2) A net cost increase to the Government.

2. Under local purchases of gasoline by activities, as authorized by volume II, chapter 2, paragraph B.3., of this manual.

a. Exception to the use of gasohol must be recorded by an activity in writing, on a line item basis. Blanket waivers. e.g., memoranda describing problems generally associated with the handling or use of gasohol, whether issued by the activity, its major command or headquarters organization, are not **sufficient**.

b. Exception to the use of gasohol, not based on the exemptions in subsection D.3., below, **shall** be considered by consulting with **BRDEC**, as needed. Such exception shall be approved only if the activity has demonstrated conclusively and certified that acceptance of gasohol for the individual line item requirement would cause:

(1) An adverse mission **impact**; or

(2) A net cost increase to the Government.

3. Exception to the use of gasohol may be based on the following exemptions:

a. Exemption 1. Fuel support is required for **multifueled** engines powering the 2 1/2-ton and 5-ton military truck fleet at locations where **multifueled** engines must be refueled from gasoline tanks because diesel **fuel** storage tanks are not available, **and** performance of these engines is not satisfactory when using gasohol.

b. Exemption 2. Fuel support is required for motor vehicles used in operational or experimental programs to convert to a clean alternative fuel, or to a test **fuel**, respectively. The exemption is valid only for the specific storage and dispensing facilities **supporting** the clean alternative fuel operations or fuel testing. Requests for exception must indicate facilities involved and the duration of the operational or experimental program.

c. Exemption 3. Fuel support is required for a partial fleet of the exempt motor vehicles described in paragraphs **D.3.a** and **D.3.b**, above, and the petroleum product **supply** system is not able to maintain two grades

of product segregated consistent with sound motor vehicle management practices.

d. Exception 4. The only available storage tanks for gasoline contain water bottoms from which the water cannot be drawn off, to preclude alcohol/gasoline phase separation, only until such tanks have been replaced or **modified** to permit water removal. Requests for exception must indicate the date by which these problems **will** be corrected.

e. Exception 5. The only available storage tanks for gasoline are coated internally with sealant resin systems that are incompatible with **alcohol** or **gasoline-alcohol** blends. Requests for exception must indicate when the tanks are scheduled to undergo inspection and repair. And when the interior surfaces of gasoline storage tanks are treated, only coating systems having a demonstrated compatibility with gasoline and gasoline-alcohol blends are to be used.

f. Exception 6. CO control or ozone **nonattainment** areas requiring the use of **oxygenated** or reformulated gasoline, respectively, where gasoline is not considered an oxygenated or **reformulated** gasoline under the CAA.